



NOvA Project Configuration Management

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Overview

NOVA's Configuration Management Program

- Conforms to
 - DOE O 413.3 Contractor Requirements
 - National Consensus Standard for Configuration Management ANSI/EIA-649-1998 (EIA-649)
- Is tailored for the NOvA Project
 - Table 2 of CMP outlines how EIA-649's 50 CM principles will be addressed
 - Applicable to
 - Hardware and software components
 - Specifications and drawings
 - Management documents & other support documents
- Coordinates with other NOVA PM documents
 - Project Execution Plan
 - Project Management Plan
 - Risk Management Plan
- Is ready to be executed



Purpose of CM

To ensure that:

- Baselines are defined and documented
- Documentation is identified, released and controlled
- A Configuration Control Board (CCB) is established and functions according to CMP guidelines
- Changes to the baseline are evaluated and controlled
- Approved configuration changes are implemented and tracked
- Configuration status accounting is accomplished



CM Tools


- NOvA docDB
 - Tracks versions of documents and retains history
 - Limits access to documents as necessary
- Deltek OpenPlanTM and CobraTM
 - Project scheduling and reporting tools
 - Controls and tracks changes to the cost/schedule baseline
- Fermilab PPD & AD drawing/spec document management systems called I-DEAS Team
- Concurrent Version System (CVS) for software CM





CM Process Documents

Change Request Form(CR)

Approvals:		DISTRIBUTION	
 <p>NOvA Project Office</p> <p>CHANGE REQUEST (CR)</p>		CR No. (Assigned by PM) NOvA-CR-	
		Date:	
		Rev. Date:	
		Page ___ of ___	
Title			
Originator:		Email:	
WBS:		Change Type: <input type="checkbox"/> Technical <input type="checkbox"/> Schedule <input type="checkbox"/> Cost	
Affected Items:			
CCB ACTION <input type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Other		DATE:	
Explanation:			
Level of Change <input type="checkbox"/> 1 (DOE) <input type="checkbox"/> 2 (DOE) <input type="checkbox"/> 3 (Directorate) <input type="checkbox"/> 4 (NOvA PM) <input type="checkbox"/> 5 (Level 2 Manager)			
Short Description: Very briefly, describe: <ul style="list-style-type: none"> What is being requested Why it's necessary What it costs, current budget available and cost difference Impact on other costs (if none, so state) Impact on schedule and milestones (if none, so state) Impact to interfaces and other activities (if none, so state) Indicate any ES&H impact Other pertinent information, if necessary 			
FUNCTION		SIGNATURE	
DATE			
L2 Manager			
Responsible Project Engineer			
Project Manager			
Directorate			
Other (specify)			

Document Change Notice (DCN)

NOvA Project Office		DCN No. (Assigned by PM) NOvA-CN-	
DOCUMENT CHANGE NOTICE (DCN)		Previous DCN No. (if applicable)	
		Date: Rev. Date	
Change Title			
Originator:		Email:	
WBS:		Document, System or Component:	
CCB ACTION <input type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Other		DATE: <input type="checkbox"/> YES <input type="checkbox"/> NO Hardware Change <input type="checkbox"/> YES <input type="checkbox"/> NO Software Change <input type="checkbox"/> YES <input type="checkbox"/> NO Record Change Only <input type="checkbox"/> YES <input type="checkbox"/> NO	
CHANGE DESCRIPTION (FROM/TO):			
Serial or ID#s of affected systems or components			
Reason for Change			
Acknowledgements/Completed Actions			
Originator		Document Manager	
Level 2 Manager		CIDL Update Complete	
Relevant Project Engineer		Other (specify)	